

# DS-290



## Quartz-based grip primer



### ■ PROPERTIES

Multipurpose brushable polymer mortar with selected grain size quartz aggregates. Suitable for interior and exterior applications, for wall and floor surfaces. The product functions as an excellent bonding bridge to create a rough surface on smooth or non-absorbent surfaces. Distinguished for its powerful adhesion and resistance to moisture, ensuring excellent adhesion of any natural or artificial mineral substrate, as well as any type of mortar. Classified as product for surface protection of concrete surfaces (c) per EN 1504-2, principle 1 (Ingress protection), principle 2 (Moisture control) and principle 8 (Increasing resistivity).

### ■ ADVANTAGES

- Easily applies with paint roller.
- Powerful adhesion.
- Breathable.
- Covers surface defects.

- Fills hairline/capillary cracks.
- Does not shrink nor burst.
- Increases the strength of the entire application.
- Provides the ability to tile or to apply microcement even after 24 hours.

### ■ APPLICATIONS

DUROSTICK DS-290 is highly recommended for the proper preparation of smooth or non-absorbent substrates, before installing tiles over tiles or microcement over tiles or mosaic, existing marble. In addition, the product is suitable for substrates with underfloor radiant heating systems. The product is also an excellent bonding substrate before the filling of floors with self leveling floor mortars. Creates suitable substrate on materials that require structure protection, such as gypsum board and aircrete. Ideal as a brushable product for applications on finished/smooth concrete poured in metal or wood

The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.

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molds, while covering minor imperfections at the same time.

### ■ USE

#### 1. Surface preparation

All non-absorbent surfaces that will be primed must be dry and free from loose sections, dust, grease, dirt, etc. Wood floors must be sound, clean and dry and any lining to be installed over them must be installed using type S2 cementitious adhesives. All gypsum board surfaces need to be primed using either micromolar stabilizer AQUAFIX or SOLVENT-BASED PRIMER of DUROSTICK. Cementitious surfaces and aircrete must be thoroughly soaked before applying the product. For new concrete surfaces, make sure to remove any formwork oils using the biodegradable oil cleaner BIOCLEAR INDUSTRIAL of DUROSTICK before the application.

#### 2. Application

Empty 25kg of mortar into a clean container with 6.5-7.0lt of cool water, (5kg into 1.3-1.4lt water). Using a low rpm electric mixer, equipped with the appropriate attachment, mix until a lump free, homogeneous mass with good workability is created. Allow for the mixture to mature for 5 minutes and mix again without adding any water. Apply the product easily in one coat using an emulsion/wide brush for corner cuts and a regular paint roller on the rest of the surface. Once the product is completely dry (24-48 hours depending on the ambient conditions), continue with the mortar application.

### ■ NOTE

The addition of acrylic emulsion D-20 of DUROSTICK into the mixing water at a ratio of three parts water to one part emulsion or DUROMAX at a ratio of six parts water to one part emulsion improves its flexibility and watertightness.

### ■ CLEANING

Clean all tools with water, immediately after use.

### ■ CONSUMPTION

250-350gr/m<sup>2</sup> per coat, depending on the substrate.  
STORAGE

Store in the factory sealed packaging, in dry and shaded places, for 12 months from production date.

### ■ SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

### ■ PACKAGING

Paper bag of 5kg in a 4 pcs packaging  
Paper bag of 25kg on a 1.050kg pallet

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TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 50% R.H.)	
■ Form - Color	Cementitious mortar - White
■ Maximum grain size	1mm
■ Bulk density of dry mortar	1.10±0.05kg/lt
■ Bulk density of fresh mortar	1.60±0.05kg/lt
■ Mixing ratio	6.5lt of water per for 25kg mortar
■ Application temperature	From +5°C to +35°C
■ Temperature resistance	From -35°C to +90°C
■ Application thickness	Up to 1mm/coat
■ Pot life	2 hours
■ Full cure	After 1-2 days

PRODUCT PERFORMANCES	
■ Strength after 28 days, per EN 196-1, to:	
• flexion	6.00±1.00 N/mm <sup>2</sup>
• compression	35.00±1.50 N/mm <sup>2</sup>
■ Shrinkage per ASTM C596	Zero
■ Permeability s <sub>D</sub> to CO <sub>2</sub> per EN 1062-6	s <sub>D</sub> ≥ 150m
■ Permeability to water vapour per EN ISO 7783	s <sub>D</sub> ≤ 0,15m (class I, water vapour permeable)
■ Capillary absorption and permeability to water per EN 1062-3	w ≤ 0.05kg/m <sup>2</sup> ·h <sup>0.5</sup>
■ Adhesion strength per EN 1542	≥ 2.50 N/mm <sup>2</sup>
■ Reaction to fire	Class F

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